| Inde | ex of Cl | aims |
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|      |          |      |

| Application No. | Applicant(s) |
|-----------------|--------------|
| 10/646,793      | PAN ET AL.   |
| Examiner        | Art Unit     |
| Patricia Leith  | 1654         |

| √ | Rejected |
|---|----------|
| = | Allowed  |

|   | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| I | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|             |                                              | L                                                |                                                  |              |                                                  |                                                  |                 |                |                                                  |                 |
|-------------|----------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------------------------------------------|-----------------|----------------|--------------------------------------------------|-----------------|
|             | •                                            | Г.                                               |                                                  |              |                                                  |                                                  |                 |                | 1                                                |                 |
| Cla         |                                              | <u> </u>                                         |                                                  |              | L                                                | Date                                             | 9               |                |                                                  |                 |
| Final       | ν Original                                   | 164                                              |                                                  |              |                                                  |                                                  |                 |                |                                                  |                 |
|             | )                                            | 8                                                |                                                  |              |                                                  |                                                  |                 |                |                                                  |                 |
|             | 1                                            | -                                                |                                                  |              |                                                  |                                                  |                 |                |                                                  |                 |
|             | 2                                            | $\Lambda$                                        |                                                  |              |                                                  |                                                  |                 |                |                                                  |                 |
|             | 3                                            |                                                  |                                                  |              | :                                                |                                                  |                 |                |                                                  |                 |
|             | 4                                            |                                                  |                                                  |              |                                                  |                                                  |                 |                |                                                  |                 |
|             | 5                                            | П                                                |                                                  |              |                                                  |                                                  |                 |                |                                                  |                 |
|             | 6                                            | П                                                |                                                  | ·            |                                                  |                                                  |                 |                |                                                  |                 |
|             | 7                                            | П                                                |                                                  |              |                                                  |                                                  |                 |                |                                                  |                 |
|             | 8                                            | $\prod$                                          |                                                  |              | _                                                |                                                  |                 |                |                                                  |                 |
|             | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8         | $\sqcap$                                         |                                                  |              |                                                  |                                                  |                 |                |                                                  |                 |
|             | 10                                           | $\sqcap$                                         |                                                  |              |                                                  |                                                  |                 |                |                                                  |                 |
|             | 11                                           |                                                  |                                                  |              |                                                  |                                                  |                 |                |                                                  |                 |
|             | 12                                           |                                                  |                                                  |              |                                                  |                                                  |                 |                |                                                  |                 |
|             | 13                                           |                                                  |                                                  |              | ·                                                |                                                  |                 |                |                                                  |                 |
|             | 14                                           | $\sqcap$                                         |                                                  |              |                                                  |                                                  |                 |                |                                                  |                 |
|             | 15                                           | $\top$                                           |                                                  |              |                                                  |                                                  |                 |                |                                                  |                 |
|             | 16                                           |                                                  |                                                  |              | -                                                |                                                  |                 |                |                                                  |                 |
|             | 17                                           |                                                  |                                                  |              |                                                  |                                                  |                 |                |                                                  |                 |
|             | 10<br>11<br>12<br>13<br>14<br>15<br>16<br>17 |                                                  |                                                  |              |                                                  |                                                  |                 |                |                                                  |                 |
|             | 19                                           | $\sqcap$                                         |                                                  |              |                                                  |                                                  |                 |                |                                                  |                 |
|             | 20                                           |                                                  |                                                  |              |                                                  |                                                  |                 |                |                                                  |                 |
|             | 21                                           | П                                                |                                                  |              | -                                                |                                                  |                 |                |                                                  |                 |
|             | 22                                           |                                                  |                                                  |              |                                                  |                                                  |                 |                |                                                  |                 |
|             | 23                                           | $\prod$                                          |                                                  |              |                                                  |                                                  |                 |                |                                                  |                 |
|             | 24                                           |                                                  |                                                  |              |                                                  |                                                  |                 |                |                                                  |                 |
|             | 25                                           | Ц                                                |                                                  |              |                                                  |                                                  |                 |                |                                                  |                 |
|             | 26                                           | Ц                                                | <u> </u>                                         |              |                                                  | <u> </u>                                         |                 |                |                                                  |                 |
|             | 27                                           |                                                  |                                                  |              |                                                  |                                                  |                 |                |                                                  |                 |
|             | 28                                           | V                                                | <u> </u>                                         |              |                                                  |                                                  |                 |                |                                                  | Ш               |
|             | 29                                           | -                                                |                                                  |              |                                                  |                                                  |                 |                |                                                  |                 |
|             | 30                                           |                                                  | ļ                                                |              |                                                  | ļ                                                |                 |                |                                                  |                 |
|             | 31                                           |                                                  |                                                  |              |                                                  |                                                  |                 |                |                                                  | Ш               |
|             | 32                                           |                                                  |                                                  |              |                                                  | <b> </b>                                         |                 | ļ              |                                                  | Щ               |
|             | 33                                           | ļ                                                |                                                  |              |                                                  | <u> </u>                                         | <u> </u>        |                |                                                  |                 |
|             | 34                                           | ļ                                                |                                                  | ļ            |                                                  | <u> </u>                                         | _               |                |                                                  |                 |
|             | 35                                           | -                                                |                                                  | <u> </u>     | <u> </u>                                         | <u> </u>                                         | <u> </u>        |                | _                                                |                 |
| <del></del> | 36                                           | <del>  -</del> -                                 | ļ                                                | <u> </u>     | <u> </u>                                         |                                                  | <u> </u>        | ļ              |                                                  |                 |
|             | 37                                           | -                                                | <u> </u>                                         |              | <u> </u>                                         | <u> </u>                                         | ļ               |                | <b> </b>                                         |                 |
|             | 38                                           |                                                  |                                                  |              | <u> </u>                                         | <del> </del>                                     |                 | ļ <u>-</u>     | ├—                                               | -               |
|             | 39                                           | -                                                |                                                  |              |                                                  |                                                  | <del> </del>    | <b> </b>       | ļ                                                |                 |
|             | 40                                           | ├—                                               | <u> </u>                                         |              |                                                  |                                                  |                 | <del>  -</del> |                                                  |                 |
|             | 41                                           | ├—                                               | _                                                | -            |                                                  |                                                  |                 |                |                                                  | Н               |
|             | 42                                           |                                                  |                                                  |              |                                                  | -                                                | _               |                | ├                                                |                 |
| <b></b>     | 44                                           | $\vdash$                                         | $\vdash$                                         | }—           |                                                  | $\vdash$                                         | <del> -</del> - |                |                                                  | $\vdash \vdash$ |
| <b> </b>    | 45                                           | $\vdash$                                         | <del>                                     </del> | -            | -                                                |                                                  |                 | $\vdash$       | $\vdash$                                         | H               |
|             | 46                                           | +-                                               | -                                                |              |                                                  | <del> </del>                                     | ├               |                |                                                  | $\square$       |
| -           | 47                                           | +                                                |                                                  |              | -                                                |                                                  | <del> </del>    | -              | $\vdash$                                         |                 |
|             | 48                                           | <del> </del>                                     |                                                  | -            | -                                                | <del>  -</del>                                   |                 | -              | <del>  -</del>                                   |                 |
|             | 49                                           | +                                                |                                                  | $\vdash$     |                                                  | <b> </b> -                                       | $\vdash$        | -              | -                                                |                 |
| <u> </u>    | 50                                           | <del>                                     </del> |                                                  | <del> </del> | <del>                                     </del> | <del>                                     </del> | <del> </del>    | -              | <del>                                     </del> |                 |

| <u> </u>         |          | [        |                                                  |                                                  |              | <b>\</b> 1.                                      |                |          |   |          |
|------------------|----------|----------|--------------------------------------------------|--------------------------------------------------|--------------|--------------------------------------------------|----------------|----------|---|----------|
| Cla              |          |          |                                                  |                                                  |              | Date                                             | •              |          |   |          |
| <u></u>          | Original |          |                                                  |                                                  |              |                                                  |                |          |   |          |
| Final            | igi      |          |                                                  |                                                  |              |                                                  |                |          |   |          |
| ш.               | ŏ        |          |                                                  |                                                  |              |                                                  |                |          |   |          |
|                  |          |          |                                                  |                                                  |              |                                                  |                |          |   | _        |
|                  | 51<br>52 |          |                                                  |                                                  |              |                                                  | _              |          |   |          |
|                  | 53       |          |                                                  |                                                  |              |                                                  | <u> </u>       |          |   |          |
|                  | 54       |          |                                                  |                                                  |              |                                                  |                |          |   |          |
|                  | 55       |          |                                                  | -                                                |              |                                                  | -              |          |   |          |
|                  | 56       |          |                                                  |                                                  | _            |                                                  |                |          |   |          |
|                  | 57       |          |                                                  |                                                  | _            |                                                  |                |          |   |          |
|                  | 58       |          |                                                  |                                                  |              |                                                  |                |          |   |          |
|                  | 59       |          |                                                  |                                                  |              |                                                  | _              |          |   |          |
|                  | 60       | _        |                                                  |                                                  | _            |                                                  |                | _        |   |          |
| -                | 61       |          |                                                  | -                                                | _            |                                                  | _              |          |   |          |
|                  | 62       |          |                                                  |                                                  |              |                                                  |                |          |   |          |
|                  | 63       |          |                                                  |                                                  |              |                                                  |                |          |   |          |
|                  | 64       | _        |                                                  |                                                  |              | _                                                |                |          |   |          |
|                  | 65       |          |                                                  | _                                                |              |                                                  | $\overline{}$  |          |   |          |
|                  | 66       |          |                                                  |                                                  |              |                                                  |                |          |   |          |
|                  | 67       |          |                                                  |                                                  |              |                                                  |                |          |   |          |
|                  | 68       |          |                                                  |                                                  |              |                                                  |                |          |   |          |
|                  | 69       |          |                                                  |                                                  |              |                                                  |                |          |   |          |
|                  | 70       |          |                                                  |                                                  |              |                                                  |                |          |   |          |
|                  | 71       |          |                                                  |                                                  |              |                                                  |                |          |   |          |
|                  | 72       |          |                                                  |                                                  |              |                                                  |                |          |   |          |
|                  | 73       |          |                                                  |                                                  |              |                                                  |                |          |   |          |
|                  | 74       |          |                                                  |                                                  |              |                                                  |                |          |   |          |
| <u> </u>         | 75       |          |                                                  |                                                  |              |                                                  |                |          |   |          |
|                  | 76       |          |                                                  | <u> </u>                                         | <u> </u>     |                                                  |                |          |   |          |
| <u></u> .        | 77       |          |                                                  |                                                  |              |                                                  |                |          |   |          |
|                  | 78       | _        |                                                  | <u> </u>                                         | ļ            |                                                  |                |          |   | _        |
|                  | 79       |          | <u> </u>                                         | ļ                                                | L            |                                                  | <u> </u>       |          |   | _        |
|                  | 80       |          | _                                                |                                                  |              |                                                  |                |          |   |          |
|                  | 81       |          |                                                  |                                                  | _            |                                                  |                | <u> </u> |   | _        |
|                  | 82       | <u> </u> | <u> </u>                                         |                                                  |              |                                                  |                |          | ļ | _        |
|                  | 83       |          |                                                  | _                                                |              |                                                  | _              |          |   | L        |
| <b></b>          | 84       |          |                                                  |                                                  | -            | _                                                |                | _        |   | <u> </u> |
|                  | 85       |          | <del> </del>                                     |                                                  | <del> </del> | _                                                | <del>  -</del> |          |   | H        |
|                  | 86<br>87 |          |                                                  |                                                  |              |                                                  | <u> </u>       |          |   |          |
| <u> </u>         | 88       |          |                                                  | <del> </del>                                     | -            |                                                  |                |          |   | -        |
| <del></del>      | 89       | -        | -                                                | -                                                | -            |                                                  |                |          | - | -        |
| <b></b>          | 90       |          | -                                                |                                                  |              | <del> </del>                                     |                |          | _ | $\vdash$ |
|                  | 91       |          |                                                  | <del> </del>                                     |              |                                                  | -              |          |   | _        |
| <u> </u>         | 92       |          |                                                  |                                                  |              |                                                  | -              |          |   |          |
| <del> </del>     | 93       | $\vdash$ |                                                  | _                                                | <del> </del> | <del>                                     </del> |                |          |   |          |
| <del> </del>     | 94       |          | <del>                                     </del> | -                                                |              | $\vdash$                                         |                |          |   |          |
|                  | 95       |          | <del>                                     </del> | $\vdash$                                         | -            | <del>                                     </del> |                |          |   |          |
| <b>  -</b> · - · | 96       | -        |                                                  |                                                  |              | <del>                                     </del> |                |          | - |          |
|                  | 97       |          |                                                  | <del>                                     </del> |              |                                                  |                |          |   | _        |
|                  | 98       |          |                                                  | <del>                                     </del> | -            |                                                  |                |          |   |          |
|                  | 99       |          | $I^-$                                            |                                                  |              |                                                  |                |          |   |          |
|                  | 100      |          | _                                                |                                                  |              |                                                  |                |          |   |          |
|                  |          |          | L                                                |                                                  |              |                                                  |                |          |   | <b>—</b> |

| Cla        | aim               |          |              | •         | [          | Date     | <del></del>  |                |          |                 |
|------------|-------------------|----------|--------------|-----------|------------|----------|--------------|----------------|----------|-----------------|
|            |                   |          |              |           |            |          |              |                |          |                 |
| <u>la</u>  | Original          |          |              |           |            |          |              |                |          |                 |
| Final      | rig               |          |              |           |            |          |              |                |          |                 |
|            | 0                 |          |              |           |            |          |              |                |          |                 |
|            | 101               |          |              |           |            |          |              |                |          |                 |
|            | 102               |          |              |           |            |          |              |                |          |                 |
|            | 103               |          |              |           |            |          |              |                |          |                 |
|            | 104               |          |              |           |            |          |              |                |          |                 |
|            | 105               |          |              |           |            |          |              |                |          |                 |
|            | 106               |          |              |           |            |          |              |                |          |                 |
|            | 107               |          |              |           |            |          |              |                |          |                 |
|            | 108               |          |              |           |            |          |              |                |          |                 |
|            | 109               |          |              |           |            |          |              |                |          |                 |
|            | 109<br>110<br>111 |          |              |           |            |          |              |                |          |                 |
|            | 111               |          |              |           |            |          |              |                | ļ        |                 |
|            | 112               |          |              |           |            |          |              |                |          |                 |
|            | 113               |          |              |           |            |          |              |                |          |                 |
|            | 114               |          |              |           |            |          |              |                |          |                 |
|            | 115               |          |              |           |            |          |              |                |          |                 |
|            | 116               |          |              |           |            |          |              |                |          |                 |
|            | 117               |          |              |           |            |          |              |                |          |                 |
|            | 118               |          |              |           |            |          |              |                |          |                 |
|            | 119               |          |              |           |            |          |              |                |          |                 |
|            | 120               |          |              |           |            |          |              |                |          |                 |
|            | 121               |          |              |           |            |          |              |                |          |                 |
|            | 122               |          |              |           |            | _        |              |                |          |                 |
|            | 123               |          |              |           |            |          |              |                |          |                 |
|            | 124               |          |              |           |            |          |              |                |          |                 |
|            | 125               |          |              |           |            |          |              |                |          |                 |
|            | 126               |          |              |           |            |          |              |                |          |                 |
|            | 127               |          |              |           |            |          |              |                |          |                 |
|            | 128               | <u> </u> |              |           |            |          | <u> </u>     |                | <u> </u> |                 |
|            | 129               |          |              |           | <u> </u>   | <u> </u> |              | _              |          |                 |
|            | 130               |          |              | _         | ļ          |          |              |                |          |                 |
|            | 131               |          |              |           |            |          |              |                |          |                 |
|            | 132               |          |              |           |            |          |              | <u> </u>       |          |                 |
|            | 133               |          |              |           |            |          |              | <u> </u>       |          |                 |
| <u> </u>   | 134               | _        |              |           | <b>_</b> _ | <u> </u> |              | <u> </u>       |          | $\square$       |
|            | 135               | ļ        |              | <u> </u>  |            | _        | _            | <u> </u>       | _        | Щ               |
| <u> </u>   | 136               |          |              |           | <u> </u>   |          | <u> </u>     |                | -        | $\square$       |
| ļ          | 137               |          |              |           | <u> </u>   |          | <del> </del> | ļ              |          | <b> </b>        |
| <u> </u>   | 138               | _        |              |           | <u> </u>   | ļ        |              |                |          | $\square$       |
| <u> </u>   | 139               | <u> </u> | <u> </u>     |           |            |          |              | <u> </u>       | _        | $\square$       |
| <u></u>    | 140               | <u> </u> | ļ            | <b> </b>  | <b> </b>   | ļ        | _            |                |          |                 |
| <b> </b>   | 141               | <u> </u> |              | <u> </u>  |            |          | <u> </u>     | <u> </u>       |          | $\vdash \vdash$ |
| <u> </u>   | 142               | <u> </u> | <del> </del> | <u> </u>  | <u> </u>   |          | _            | <del> </del> — |          | $\vdash \vdash$ |
| ļ          | 143               |          | <u> </u>     | 1—        | <u> </u>   | <u> </u> | _            | ļ              |          | $\vdash \vdash$ |
| <u> </u> - | 144               | _        | _            |           | _          | _        | <del> </del> | _              |          | $\vdash \vdash$ |
| <u> </u>   | 145               | <u> </u> |              |           | <u> </u>   |          | 1—           | <del> </del>   |          | $\vdash \vdash$ |
| <b> </b>   | 146               | ļ        |              | _         | <u> </u>   |          |              | <b> </b>       | <u> </u> |                 |
| <u> </u>   | 147               |          |              | <u> </u>  |            | <u> </u> |              |                | -        |                 |
| <u> </u>   | 148               |          |              |           |            |          | —            | <del> </del>   | -        |                 |
| <u> </u>   | 149               | _        |              |           | <u> </u>   | <u> </u> |              | <b> </b>       |          |                 |
| L          | 150               |          |              | <u>L_</u> | <u> </u>   | L        | <u></u> _    |                | 1        |                 |